

Appendix B. Data Extraction Form

QUALITY

Study Characteristics

Devices Barrier Synthesis:

First Author (Year):

Study Title:

Journal:

Reviewer: ZH MS ACh AMC

Main Focus of paper:

Methodological Quality

| Criteria | Yes | No | Unclear |
|--|-----|----|---------|
| 1) There is congruity between the stated philosophical perspective and the research methodology. | | | |
| 2) There is congruity between the research methodology and the research question or objectives. | | | |
| 3) There is congruity between the research methodology and the methods used to collect data. | | | |
| 4) There is congruity between the research methodology and the representation and analysis of data. | | | |
| 5) There is congruity between the research methodology and the interpretation of results. | | | |
| 6) There is a statement locating the researcher culturally or theoretically. | | | |
| 7) The influence of the researcher on the research, and vice-versa, is addressed. | | | |
| 8) Participants, and their voices, are adequately represented. | | | |
| 9) The research is ethical according to current criteria or, for recent studies, there is evidence of ethical approval by an appropriate body. | | | |
| 10) Conclusions drawn in the research report do appear to flow from the analysis, or interpretation, of the data. | | | |
| TOTAL | | | |

Summary of appraisal

1. Main strengths:
2. Main concerns:

Overall quality rating: High Medium Low

FIELDS OF EXTRACTION

Methods

Approach (principle only)

- | | |
|--|--|
| <input type="checkbox"/> Grounded theory | <input type="checkbox"/> Ethnography |
| <input type="checkbox"/> General | <input type="checkbox"/> Critical theory |
| <input type="checkbox"/> Mixed methods | <input type="checkbox"/> Phenomenology |
| <input type="checkbox"/> Other: _____ | |

Data collection

1. Face-to-face Telephone

2. Interview: unstructured
- Interview: semi-structured
- Interview: structured
- Focus group
- Other (specify): _____

Context: _____

Setting: _____

Culture: _____

Population

Disease

- Heart failure Non-Heart failure

Device type

- | | | |
|-----------------------------------|--------------------------------------|------------------------------------|
| <input type="checkbox"/> ICD only | <input type="checkbox"/> ICD and CRT | <input type="checkbox"/> Pacemaker |
| <input type="checkbox"/> LVAD | <input type="checkbox"/> Other | |

Foci

- | | | |
|--------------------------------------|---------------------------------------|--------------------------------------|
| <input type="checkbox"/> Insertion | <input type="checkbox"/> Deactivation | <input type="checkbox"/> Malfunction |
| <input type="checkbox"/> End of life | | |

Group (Check all applicable)

- | | |
|---|---|
| <input type="checkbox"/> Patients | <input type="checkbox"/> Health Professionals |
| <input type="checkbox"/> Family / Caregivers | |
| <input type="checkbox"/> Other (specify): _____ | |

Sample

Men only Women only Mixed

Type

Convenience Purposive Theoretical

Other: _____

Sample Size

| | Number | % |
|----------------|--------|---|
| Males | | |
| Females | | |
| Total | | |

| | Number |
|-----------------------------|--------|
| Family/Caregivers | |
| Health Professionals | |

If patients:

Mean Age: _____ Range: _____ to _____ years

If professionals:

Type (s): _____

Results

Definition of Barrier: “Factors or processes that act singularly or in combination with other factors or processes to reduce the likelihood, quality, or ethical appropriateness of discussions and/or decisionmaking around insertion, malfunction, or deactivation of electronic heart devices between health professionals, patients with devices, and, where appropriate, surrogate decisionmakers”

Definition of Facilitator: “Factors or processes that act singularly or in combination with other factors or processes to increase the likelihood, quality, or ethical appropriateness of discussions and/or decisionmaking around insertion, malfunction, or deactivation of electronic heart devices between health professionals, patients with devices, and, where appropriate, surrogate decisionmakers”

| |
|----------------------------|
| Findings (Verbatim) |
| |

Second reviewer has checked